

VIA eFILE

Form PTO-1449

Applicant: Enrique Klein

Serial No.: 10/813,449

Filing Date: March 30, 2004

For: DEVICE AND METHOD FOR SUTURING TISSUE

Sheet 1 of 27

Confirmation No.: 7612

Att'y Docket No.: 16497.28.1

Art Unit: 3734

SUPPLEMENTAL INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____1	312,408	02/17/1885	Wackerhagen
____2	597,165	01/11/1898	Hall
____3	659,422	10/09/1900	Shidler
____4	989,231	04/11/1911	Davis
____5	2,127,903	08/23/1938	Bowen
____6	2,397,823	04/02/1946	Walter
____7	2,588,589	03/11/1952	Tauber
____8	2,646,045	07/21/1953	Priestley
____9	2,692,599	10/26/1954	Creelman
____10	2,959,172	11/08/1960	Held
____11	3,033,156	05/18/1962	Verlish
____12	3,104,666	09/24/1963	Hale et al.
____13	3,470,875	10/07/1969	Johnson

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Date Considered: 08/10/2008

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____14	3,653,388	04/04/1972	Tenckhoff
____15	3,665,926	5/30/1972	Flores
____16	3,776,237	12/04/1973	Hill et al.
____17	3,820,544	06/28/1974	Semm
____18	3,918,455	11/11/1975	Coplan
____19	3,926,194	12/16/1975	Greenberg et al.
____20	3,939,820	02/24/1976	Grayzel
____21	4,018,228	04/19/1977	Goosen
____22	4,109,658	08/29/1978	Hughes
____23	4,135,623	01/23/1979	Thyen
____24	4,161,951	07/24/1979	Scanlan, Jr.
____25	4,168,073	09/18/1979	LaRue
____26	4,182,339	01/08/1980	Hardy, Jr.
____27	4,185,636	01/29/1980	Gabbay et, al.
____28	4,216,776	08/12/1980	Downie et al.

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____29	4,217,665	08/19/1980	Bex et, al.
____30	4,235,177	11/25/1980	Arbuckle
____31	4,317,445	03/20/1982	Robinson
____32	4,411,654	10/25/1983	Boarini et al.
____33	4,412,832	11/01/1983	Kling et al.
____34	4,437,465	03/20/1984	Nomoto et al.
____35	4,492,229	01/08/1985	Grunwald
____36	4,493,323	01/15/1985	Albright et al.
____37	4,553,543	11/19/1985	Amarasinghe
____38	4,586,614	05/06/1986	Ger
____39	4,587,969	05/13/1986	Gillis
____40	4,596,559	06/24/1986	Fleishhacker
____41	4,629,450	12/16/1986	Suzuki et al.
____42	4,651,733	03/24/1987	Mobin-Uddin
____43	4,702,250	10/27/1987	Ovil et al.

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____44	4,723,549	02/09/1988	Wholey et al.
____45	4,738,666	04/19/1988	Fuqua
____46	4,744,364	05/17/1988	Kensey
____47	4,803,984	02/14/1989	Narayanan et al.
____48	4,836,205	06/06/1989	Barrett
____49	4,852,568	08/01/1989	Kensey
____50	4,890,612	01/02/1990	Kensey
____51	4,898,155	02/06/1990	Ovil et al.
____52	4,911,164	03/27/1990	Roth
____53	4,926,860	05/22/1990	Stice et al.
____54	4,929,246	05/29/1990	Sinofsky
____55	4,935,027	06/19/1990	Yo on
____56	4,957,498	09/18/1990	Caspari et al.
____57	4,983,168	01/08/1991	Moorehead
____58	4,984,581	01/15/1991	Stice

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____59	5,002,563	03/26/1991	Pyka et al.
____60	5,009,643	04/23/1991	Reich et al.
____61	5,021,059	06/04/1991	Kensey et al.
____62	5,037,433	08/06/1991	Wilk et al.
____63	5,047,039	09/10/1991	Avant et al.
____64	5,059,201	10/22/1991	Asnis
____65	5,061,274	10/29/1991	Kensey
____66	5,078,721	01/07/1992	McKeating
____67	5,080,664	01/14/1992	Jain
____68	5,100,419	03/31/1992	Ehlers
____69	5,100,432	03/31/1992	Matsutani
____70	5,109,780	05/05/1992	Slouf et al.
____71	5,129,913	07/14/1992	Ruppert
____72	5,147,373	09/15/1992	Ferzli
____73	5,160,339	11/03/1992	Chen et al.

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____74	5,171,251	12/15/1992	Bregen et al.
____75	5,192,294	03/09/1993	Blake, III
____76	5,192,301	03/09/1993	Kamiya, et al.
____77	5,192,302	03/09/1993	Kensey et al.
____78	5,207,703	05/04/1993	Jain
____79	5,217,470	06/08/1993	Weston
____80	5,219,358	06/15/1993	Bendel et al.
____81	5,222,974	06/29/1993	Kensey et al.
____82	5,234,443	08/10/1993	Phan et al.
____83	5,242,427	09/07/1993	Bilweis
____84	5,250,033	10/05/1993	Evansetal
____85	5,250,053	10/05/1993	Snyder
____86	5,254,126	10/19/1993	Filipi et al.
____87	5,258,003	11/02/1993	Ciaglia et al.
____88	5,279,311	01/18/1994	Snyder

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____89	5,281,236	01/25/1994	Bognato et al.
____90	5,281,237	01/25/1994	Gimpelson
____91	5,285,945	02/15/1994	Brinkerhoff et al.
____92	5,289,963	03/01/1994	McGarry et al.
____93	5,290,284	03/01/1994	Adair
____94	5,290,297	03/01/1994	Phillips
____95	5,292,309	03/08/1994	VanTassel et al.
____96	5,292,332	03/08/1994	Lee
____97	5,293,881	03/15/1994	Green et al.
____98	5,295,993	03/22/1994	Green
____99	5,300,085	04/05/1994	Yock
____100	5,304,185	04/19/1994	Taylor
____101	5,306,254	04/26/1994	Nash et al.
____102	5,312,024	05/14/1994	Grant et al.
____103	5,320,632	06/14/1994	Heidmueller

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____104	5,336,229	08/09/1994	Noda
____105	5,336,230	08/09/1994	Leichtling et al.
____106	5,336,231	08/09/1994	Adair
____107	5,342,369	08/30/1994	Harryman, II
____108	5,353,974	10/11/1994	Brinkerhoff et al.
____109	5,354,312	10/11/1994	Brinkerhoff et al.
____110	5,364,408	11/15/1994	Gordon
____111	5,368,595	11/29/1994	Lewis
____112	5,368,601	11/29/1994	Sauer et al.
____113	5,374,275	12/20/1994	Bradley et al.
____114	5,376,096	12/27/1994	Foster
____115	5,383,896	01/24/1995	Gershony et al.
____116	5,385,569	01/31/1995	Swor
____117	5,387,221	02/07/1995	Bisgaard
____118	5,387,227	02/07/1995	Grice

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____119	5,395,332	03/07/1995	Ressemann et al.
____120	5,395,349	03/07/1995	Quiachon et al.
____121	5,397,310	03/14/1995	Chu et al.
____122	5,397,325	03/14/1995	Delia Badia et al.
____123	5,403,329	04/04/1995	Hinchcliffe
____124	5,403,338	04/04/1995	Milo
____125	5,411,481	05/02/1995	Allen et al.
____126	5,413,571	05/09/1995	Katsaros et al.
____127	5,417,699	05/23/1995	Klein et al.
____128	5,425,705	06/20/1995	Evard et al.
____129	5,431,666	07/11/1995	Sauer et al.
____130	5,433,700	007/18/1995	Peters
____131	5,452,733	09/26/1995	Sterman et al.
____132	5,454,822	10/03/1995	Schob et al.
____133	5,454,834	10/03/1995	Boebel et al.

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____134	5,458,574	10/17/1995	Machold et al.
____135	5,470,338	11/28/1995	Whitfield et al.
____136	5,476,469	12/19/1995	Hathaway et al.
____137	5,476,470	12/19/1995	Fitzgibbons, Jr.
____138	5,478,309	12/26/1995	Sweezer et al.
____139	5,478,353	12/26/1995	Yoon
____140	5,480,407	01/02/1996	Wan et al.
____141	5,486,190	01/23/1996	Green
____142	5,489,295	02/06/1996	Piplani et al.
____143	5,496,332	03/05/1996	Sierra et al.
____144	5,507,744	04/16/1996	Tay et al.
____145	5,507,755	04/16/1996	Gresl et al.
____146	5,507,757	04/16/1996	Sauer et al.
____147	5,507,758	04/16/1996	Thomason et al.
____148	5,509,902	04/23/1996	Raulerson

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____149	5,520,655	05/28/1996	Davila et al.
____150	5,520,665	05/28/1996	Fleetwood
____151	5,520,702	05/28/1996	Sauer et al.
____152	5,527,321	06/18/1996	Hinchliffe
____153	5,527,322	06/18/1996	Klein et al.
____154	5,531,700	07/02/1996	Moore et al.
____155	5,540,701	07/30/1996	Sharkey et al.
____156	5,540,704	07/30/1996	Gordon et al.
____157	5,545,171	08/13/1996	Sharkey et al.
____158	5,545,178	08/13/1996	Kensey et al.
____159	5,545,180	08/13/1996	Le et al.
____160	5,549,618	08/27/1996	Fleenor et al.
____161	5,554,162	09/10/1996	DeLange
____162	5,562,686	10/08/1996	Sauer et al.
____163	5,562,688	10/08/1996	Riza

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____164	5,562,728	10/08/1996	Lazarus et al.
____165	5,567,435	10/22/1996	Hubbell et al.
____166	5,569,269	10/29/1996	Hart et al.
____167	5,569,271	10/29/1996	Hoel
____168	5,573,540	11/12/1996	Yoon
____169	5,591,179	01/07/1997	Edelstein
____170	5,591,206	01/07/1997	Moufarrege
____171	5,593,421	01/14/1997	Bauer
____172	5,603,718	02/18/1997	Xu
____173	5,607,435	03/04/1997	Sachdeva et al.
____174	5,611,794	03/18/1997	Sauer et al.
____175	5,613,974	03/25/1997	Andreas et al.
____176	5,613,975	03/25/1997	Christy
____177	5,643,289	07/01/1997	Sauer et al.
____178	5,669,917	09/23/1997	Sauer et al.

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<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____179	5,700,273	12/23/1997	Buelna et al.
____180	5,713,910	02/03/1998	Gordon et al.
____181	5,716,369	02/10/1998	Riza
____182	5,720,574	02/24/1998	Barella
____183	5,720,757	02/24/1998	Hathaway et al.
____184	5,728,151	03/17/1998	Garrison et al.
____185	5,741,276	04/21/1998	Poloyko et al.
____186	5,741,280	04/21/1998	Fleenor
____187	5,759,188	06/02/1998	Yoon
____188	5,766,183	06/16/1998	Sauer
____189	5,766,186	06/16/1998	Faraz et al.
____190	5,779,719	07/14/1998	Klein et al.
____191	5,792,151	08/11/1998	Heck et al.
____192	5,792,152	08/11/1998	Klein et al.
____193	5,799,661	09/01/1998	Boyd et al.

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____194	5,810,850	09/22/1998	Hathaway et al.
____195	5,817,113	10/06/1998	Gifford, III et al.
____196	5,820,544	(06/1974-withdrawn)	Semm
____197	5,820,631	10/13/1998	Nobles
____198	5,824,010	10/20/1998	McDonald
____199	5,824,111	10/20/1998	Schall et al.
____200	5,830,125	11/03/1998	Scribner et al.
____201	5,836,955	11/17/1998	Buelna et al.
____202	5,836,956	11/17/1998	Buelna et al.
____203	5,846,253	12/08/1998	Buelna et al.
____204	5,848,714	12/15/1998	Robson et al.
____205	5,855,585	01/05/1999	Kontos
____206	5,860,990	01/19/1999	Nobles et al.
____207	5,860,991	01/19/1999	Klein et al.
____208	5,902,311	05/11/1999	Andreas et al.

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____209	5,904,690	05/18/1999	Middleman et al.
____210	5,904,597	05/18/1999	Doi et al.
____211	5,904,697	05/18/1999	Gifford, III et al.
____212	5,951,590	09/14/1999	Goldfarb
____213	5,954,732	09/21/1999	Hart et al.
____214	5,972,030	10/26/1999	Garrison et al.
____215	6,036,699	03/14/2000	Andreas et al.
____216	6,048,351	04/11/2000	Gordon et al.
____217	6,117,144	09/12/2000	Nobles et al.
____218	6,136,010	10/24/2000	Modesitt et al
____219	6,190,396	09/20/2001	Whitin et al.
____220	6,206,893	03/27/2001	Klein et al.
____221	6,355,050	03/12/2002	Andreas et al.
____222	6,358,258	03/19/2002	Arcia et al.
____223	6,517,553	02/11/2003	Klein et al.

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Applicant: Enrique Klein

Serial No.: 10/813,449

Filing Date: March 30, 2004

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Att'y Docket No.: 16497.28.1

Art Unit: 3734

Examiner <u>Initial*</u>	Document <u>Number</u>	<u>Date</u>	<u>Name</u>
____224	6,558,399	05/06/2003	Isbell et al.
____225	7,029,480	04/18/2006	Klein et al.
____226	7,029,481	04/18/2006	Burdulis, Jr. et al.
____227	7,048,747	05/23/2006	Arcia et al.
____228	7,179,266	02/20/2007	Kontos
____229	2002/0095164	07/18/2002	Andreas
____230	2003/0093093	05/15/2003	Modesitt et al.
____231	2004/0097978	05/20/2004	Modesitt et al.
____232	2005/0149065	07/07/2005	Modesitt et al.
____233	2005/0171561	08/04/2005	Songer
____234	2006/0167476	07/27/2006	Burdulis
____235	2006/0167477	07/27/2006	Arcia
____236	2006/0173469	08/03/2006	Klein
____237	D 372,310	07/30/1996	Hartnett

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U.S. Applications

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
____238	09/608,832	06/30/2000	Burdulis
____239	09/610,564	06/30/2000	Burdulis

Foreign Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Country or Patent Office</u>
____240	DE 4210724 C1	07/22/1993	Germany
____241	DE 9217932 U1	07/15/1993	Germany
____242	EP 0 140 557	05/08/1985	EPO
____243	EP 0 207 545	01/07/1987	EPO
____244	EP 0 474 887	03/18/1992	EPO
____245	EP 0 478 358	04/01/1992	EPO
____246	EP 0478 887	04/08/1992	EPO
____247	EP 0 542 126	05/19/1993	EPO
____248	EP 0 568 098	11/03/1993	EPO

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Examiner <u>Initial*</u>	Document <u>Number</u>	<u>Publication Date</u>	<u>Country or Patent Office</u>
____249	EP 0 589 409	09/23/1992	EPO
____250	EP 0 624 343	04/15/1993	EPO
____251	EP 0 669 101	08/30/1995	EPO
____252	EP 0 669 102	08/30/1995	EPO
____253	EP 0 669 103	08/30/1995	EPO
____254	EP 0 684 012 A2	11/29/1995	EPO
____255	EP 01407557A (WO 03/3598)	01/09/2003	EPO
____256	FR 1059544	03/25/1954	France
____257	JP 2119866A	05/07/1990	Japan
____258	JP 542161 A	02/23/1993	Japan
____259	SU 820810	04/15/1981	Soviet Union
____260	SU 993922	02/07/1983	Soviet Union
____261	SU 1093329	05/23/1984	Soviet Union
____262	SU 1174036	08/23/1985	Soviet Union

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Examiner <u>Initial*</u>	Document <u>Number</u>	<u>Publication Date</u>	Country or <u>Patent Office</u>
____263	SU 1544383	02/23/1990	Soviet Union
____264	SU 1648400	05/15/1991	Soviet Union
____265	WO 85/03858	09/12/1985	PCT
____266	WO 94/05213	03/17/1994	PCT
____267	WO 94/27503	12/08/1994	PCT
____268	WO 94/28801	12/22/1994	PCT
____269	WO 95/05121	02/23/1995	PCT
____270	WO 95/13021	05/18/1995	PCT
____271	WO 95/35065	12/28/1995	PCT
____272	WO 97/03613	02/06/1997	PCT
____273	WO 97/10764	03/27/1997	PCT
____274	WO 97/13461	04/17/1997	PCT
____275	WO 97/17901	05/17/1997	PCT
____276	WO 97/20505	06/12/1997	PCT
____277	WO 98/04195	02/05/1998	PCT

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Examiner <u>Initial*</u>	Document <u>Number</u>	<u>Publication Date</u>	<u>Country or Patent Office</u>
____278	WO 98/42262	10/01/1998	PCT
____279	WO 00/12013	03/09/2000	PCT
____280	WO 00/51498	09/08/2000	PCT
____281	WO 01/19259	03/22/2001	PCT
____282	WO 02/36021	05/10/2002	PCT
____283	WO 05/65549	07/21/2005	PCT

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(including author, title, pertinent pages, etc.)

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____284 Cardiac Catheterization and Angiography, 3rd Ed., Lea & Febiger, Philadelphia, 1986.

____285 Cardio-Thoracic Systems Prospectus dated Mar. 20, 1996.

____286 Datascope Corporation, Montvale, NJ (1991) 1 PG, American Heart Assoc. Meeting, Anaheim.

____287 Elgiloy Brochure, Jun. 23, 1959, Elgin National Watch Co., Elgin, IL.

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- _____288 Elgin National Watch Company, Product Brochure entitled "Elgiloy, A Cobalt Nickel Spring Alloy", 33 pages.
- _____289 Faulkner, Catherine B., Letter regarding "VasoSeal Vascular Hemostasis", *Datascope*, New Jersey, 1 page.
- _____290 Kensey Nash Corporation, Exton, PA, "The Hemostatic Puncture Closure Device", 2 pages.
- _____291 Laurus Medical Corporation, "Endoscopic Suturing Made Simple", The Laurus ND-2600 Needle Driver, Irvine, CA. 1 page.
- _____292 Product Brochure "The Prove Solution to Endoscopic Suturing", Laurus Medical Corp., Irvine, CA. 10/94.
- _____293 Rema-Medizintechnik GmbH, Product Brochure entitled "REMA", 7 pages.
- _____294 Product Brochure "SuperStitch-Closure Made Simple™", Sutura, Inc.
- _____295 The Laurus In-Line Endoscopic Suturing Device (Oct. 1994) 1 page.

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Issue Notifications, Notices of Allowance, and Office Actions

<u>Examiner Initial*</u>	<u>Patent or Serial Number</u>	<u>Document</u>	<u>Mail Date</u>
____296	5,417,699	Office Action	05/12/1993
____297	5,417,699	Office Action	08/01/1994
____298	5,417,699	Notice of Allowance	11/03/1994
____299	5,417,699	Issue Notification	04/17/1995
____300	5,527,322	Office Action	09/16/1994
____301	5,527,322	Office Action	05/30/1995
____302	5,527,322	Office Action	10/26/1995
____303	5,527,322	Notice of Allowance	12/15/1995
____304	5,527,322	Issue Notification	05/13/1996
____305	5,613,974	Office Action	06/05/1995
____306	5,613,974	Office Action	01/05/1996
____307	5,613,974	Notice of Allowance	05/22/1996
____308	5,613,974	Issue Notification	02/18/1997
____309	5,779,719	Office Action	06/01/1995

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Date Considered: 08/10/2008

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<u>Examiner Initial*</u>	<u>Patent or Serial Number</u>	<u>Document</u>	<u>Mail Date</u>
____310	5,779,719	Notice of Allowance	02/06/1998
____311	5,779,719	Issue Notification	06/08/1998
____312	5,792,152	Office Action	01/21/1997
____313	5,792,152	Notice of Allowance	10/17/1997
____314	5,792,152	Issue Notification	07/07/1998
____315	6,036,699	Office Ac tion	09/14/1998
____316	6,036,699	Office Action	04/13/1999
____317	6,036,699	Notice of Allowance	07/15/1999
____318	6,036,699	Issue Notification	03/02/2000
____319	6,206,893	Office Action	07/10/2000
____320	6,206,893	Notice of Allowance	10/25/2000
____321	6,206,893	Issue Notification	03/09/2001
____322	6,355,050	Office Action	07/23/1998
____323	6,355,050	Office Action	10/13/1999
____324	6,355,050	Office Action	10/23/2000

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<u>Examiner Initial*</u>	<u>Patent or Serial Number</u>	<u>Document</u>	<u>Mail Date</u>
____325	6,355,050	Office Action	07/11/2001
____326	6,355,050	Notice of Allowance	09/11/2001
____327	6,355,050	Issue Notification	02/21/2002
____328	6,358,258	Office Action	11/06/2000
____329	6,358,258	Notice of Allowance	04/20/2001
____330	6,358,258	Notice of Allowance	09/10/2001
____331	6,358,258	Issue Notification	03/01/2002
____332	6,517,553	Office Action	10/23/2001
____333	6,517,553	Office Action	06/17/2002
____334	6,517,553	Notice of Allowance	09/09/2002
____335	6,517,553	Issue Notification	01/23/2003
____336	6,558,399	Office Action	07/11/2002
____337	6,558,399	Notice of Allowance	12/24/2002
____338	6,558,399	Issue Notification	04/17/2003
____339	7,029,480	Office Action	03/17/2005

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<u>Examiner Initial*</u>	<u>Patent or Serial Number</u>	<u>Document</u>	<u>Mail Date</u>
____340	7,029,480	Office Action	06/10/2005
____341	7,029,480	Notice of Allowance	11/17/2005
____342	7,029,480	Issue Notification	03/29/2006
____343	7,029,481	Office Action	02/16/2005
____344	7,029,481	Office Action	07/07/2005
____345	7,029,481	Notice of Allowance	11/15/2005
____346	7,029,481	Issue Notification	03/29/2006
____347	7,048,747	Office Action	03/17/2004
____348	7,048,747	Office Action	02/28/2005
____349	7,048,747	Office Action	05/25/2005
____350	7,048,747	Office Action	08/24/2005
____351	7,048,747	Office Action	11/08/2005
____352	7,048,747	Notice of Allowance	12/13/2005
____353	7,048,747	Issue Notification	05/03/2006
____354	2002/0095164	Office Action	09/30/2003

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<u>Examiner Initial*</u>	<u>Patent or Serial Number</u>	<u>Document</u>	<u>Mail Date</u>
____355	2005/0171561	Office Action	11/02/2005
____356	2005/0171561	Office Action	02/16/2006
____357	2005/0171561	Office Action	10/19/2006
____358	2005/0171561	Office Action	06/07/2007
____359	2005/0149065	Office Action	03/23/2007
____360	2005/0149065	Notice of Allowance	09/10/2007
____361	2006/0167476	Notice of Allowance	09/20/2007
____362	2006/0167477	Office Action	09/07/2007

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